Related Research

Öznur Özkasap
Associate Professor
Computer Engineering

KOÇ UNIVERSITY

Research Labs/Groups

- Networked and Distributed Systems
- Cryptography, Security and Privacy

- Wireless Networks
- Multimedia, Vision & Graphics
- Multi-Core Software Engineering
- Machine Learning and Information Retrieval
- Computational Systems Biology
- Artificial Intelligence

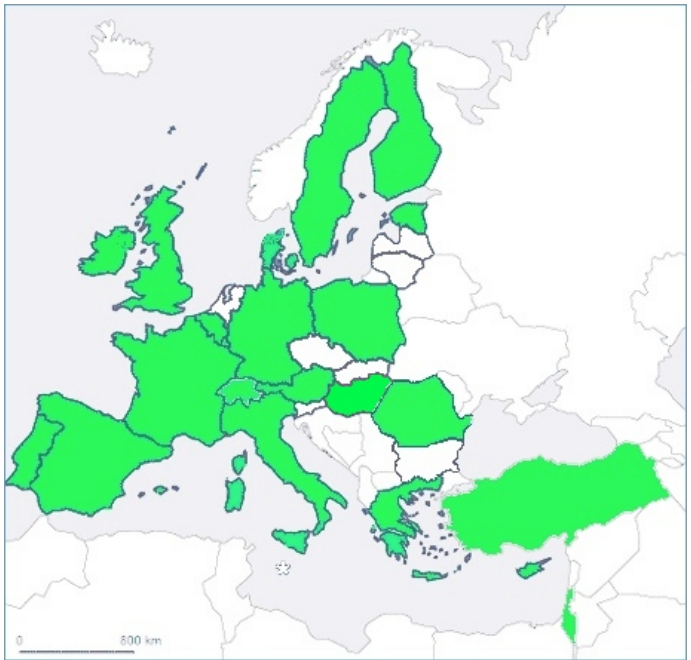
- Full list: http://eng.ku.edu.tr/research-labs

NDSL Research Topics

- **Core Research**
  - Distributed computing and systems
  - Bio-inspired epidemic algorithms
  - Network protocols
- **Application Areas**
  - P2P Systems
  - Energy Efficiency
  - Cloud Computation
  - Cloud Storage
  - MANETs and VANETs
  - Secure protocols
  - Network traffic

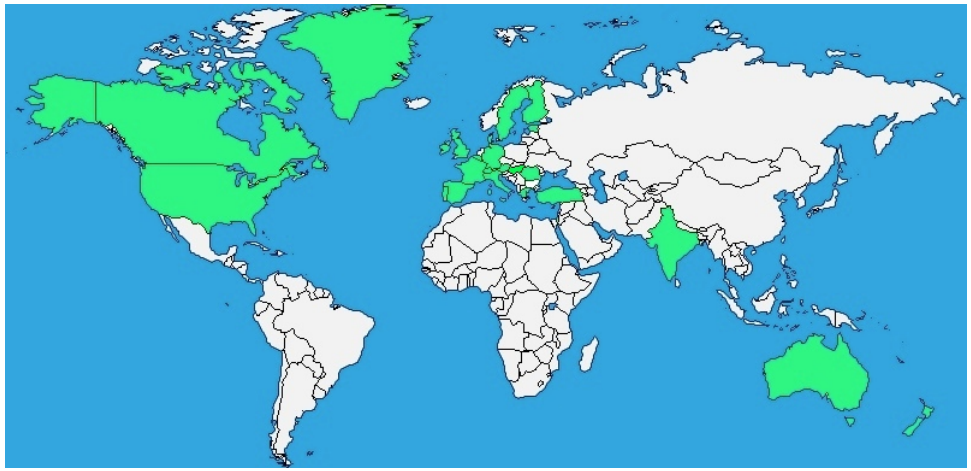
Energy efficiency in large scale distributed systems

- European COST Action IC0804, partner
- 22 COST countries + 7 Non-COST Institutions
- Goal: Energy efficient and realistic solutions for large scale distributed systems



www.cost804.org

Action IC0804



Adaptive actions for distributed systems

- **WG1: State of the art and continuous learning of hardware adaptation possibilities**
- **WG2: Characterization of energy consumption and energy efficiency**
- **WG3: Adaptive actions for distributed systems**
- **WG4: Characterization of performance-energy saving trade-off**
- **WG5: Scientific coordination, dissemination, and definition of a common opened framework; identification of pertinent use-cases**

Energy efficiency in P2P Networks

cost EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

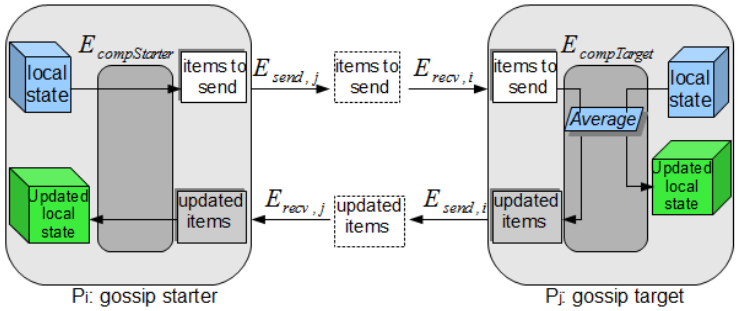
cost www.cost804.org Action IC0804

TÜBİTAK

TÜRK TELE KOM

- **Goal: To investigate and develop energy efficient algorithms and protocols by applying P2P principles:**
  - **Discovery of Frequent Items in P2P Networks**
  - **Hierarchical Epidemics Model**
  - **P2P Cloud: Task scheduling**
  - **Secure and Energy Efficient Cloud Storage**
  - **Epidemic Protocols for Inter-Vehicular Communication Networks**

KoçSistem "Your imagination is our strength"



Öznur Özkasap
oozkasap@ku.edu.tr
ndsl.ku.edu.tr

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